

CLAIMS

- 1) An information carrier intended to be handled relatively frequently,
characterized in that it contains at least one biocidal agent.
- 2) The information carrier as claimed in the preceding claim, characterized in
that it contains at least one bacteriostatic and/or bactericidal agent and/or at
least one fungistatic and/or fungicidal agent.
- 3) The information carrier as claimed in claim 2, characterized in that it contains
at least one bacteriostatic and/or bactericidal agent chosen from the
compounds based on chitosan or chitin derivatives, on quaternary ammonium,
on zinc zeolite, on silver ions and on triclosan.
- 4) The information carrier as claimed in claim 3, characterized in that it contains
at least one bacteriostatic and/or bactericidal agent based on
didecyldimethylammonium chloride.
- 5) The information carrier as claimed in one of claims 2 to 4, characterized in
that it contains at least one fungistatic and/or fungicidal agent chosen from the
compounds based on isothiazolin or isothiazolone derivatives, on chitosan or
chitin derivatives, on quaternary ammonium, on zinc zeolite, on silver ions
and on triclosan.
- 6) The information carrier as claimed in one of claims 2 to 5, characterized in
that it contains at least one fungistatic and/or fungicidal agent based on
p-[(diiodomethyl)sulfonyl]toluol in the form of an aqueous dispersion.
- 7) The information carrier as claimed in one of claims 2 to 5, characterized in
that it contains at least one fungistatic and/or fungicidal agent based on
iodopropynyl butyl carbamate in the form of an aqueous dispersion.

- 8) The information carrier as claimed in one of claims 2 to 5, characterized in that it contains at least one fungistatic and/or fungicidal agent based on methyl-1H-benzimidazol-2-yl carbamate in the form of an aqueous dispersion.
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- 9) The information carrier as claimed in one of the preceding claims, characterized in that the quantity by dry weight of biocidal agent in the carrier is less than 1%, and preferably less than 0.2%.
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- 10) The information carrier as claimed in one of the preceding claims, characterized in that, after one hour of dynamic contact of the carrier with a strain of *Escherichia coli* or of *Staphylococcus aureus*, the percentage decrease in the activity of the corresponding strains is greater than 99.9%, under the conditions defined by the ASTM E 2149-01 method.
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- 11) The information carrier as claimed in one of the preceding claims, characterized in that, after 24 hours of dynamic contact of the carrier with a strain of *Escherichia coli* or of *Staphylococcus aureus*, the antibacterial activity defined by the XPG 39010 method is negative.
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- 12) The information carrier as claimed in one of claims 1 to 11, characterized in that it is based on cellulosic materials, in particular paper.
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- 13) The information carrier as claimed in one of claims 1 to 11, characterized in that it is based on plastic materials.
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- 14) The information carrier as claimed in one of the preceding claims, characterized in that it is intended for the production of a banknote, of a passport, of a playing card, of a chipcard, of a packaging, of a book or of a magazine.

15) A process for producing an information carrier as claimed in one of the preceding claims, characterized in that at least one biocidal agent is incorporated into a basic carrier made of cellulosic and/or plastic materials.

5 16) The production process as claimed in claim 15, characterized in that the incorporation of said biocidal agent is carried out by immersing said basic carrier in a solution of said biocidal agent.

10 17) The production process as claimed in claim 15, characterized in that the incorporation of said biocidal agent is carried out by spraying said basic carrier with a solution of said biocidal agent.

15 18) The production process as claimed in claim 15, characterized in that the incorporation of said biocidal agent is carried out by printing said basic carrier using an ink containing said biocidal agent.

20 19) The production process as claimed in claim 15, characterized in that the incorporation of said biocidal agent is carried out by surfacing said basic carrier with a solution containing said biocidal agent and an aqueous surfacing agent, the aqueous surfacing agent preferably incorporating glycerol as plasticizer.

25 20) The production process as claimed in claim 15, characterized in that the incorporation of said biocidal agent is carried out by coating said basic carrier with a coating solution containing said biocidal agent.

30 21) The production process as claimed in claim 15, characterized in that the incorporation of said biocidal agent is carried out by depositing onto said basic carrier an overprint varnish containing said biocidal agent.

- 22) The production process as claimed in claim 15, characterized in that the incorporation of said biocidal agent is carried out by coating microcapsules or cyclodextrin containing said biocidal agent onto said basic carrier.